



TECHNICAL DATA SHEET

Product Description:

VESTA™ 1000 IS A CALIFORNIA AIR RESOURCES BOARD (CARB) APPROVED EMISSIONS EQUIVALENT ADDITIVE PER APPENDIX 1 OF SUBARTICLE 2. "IN-USE REQUIREMENTS FOR POLLUTANT EMISSIONS CONTROL" SECTION (A)(1)(A), OF THE REGULATION ON COMMERCIALIZATION OF ALTERNATIVE DIESEL FUELS. AS SUCH, VESTA™ 1000 REDUCES ALL CRITERIA POLLUTANTS. SEE PAGE TWO FOR MORE INFORMATION ON CARB APPROVED TREAT RATES.

Physical Properties:

CAS No: Trade Secret	Vapor Pressure: 40-53 Pa @ 40°C
Appearance: colorless to pale yellow liquid	Flash: >70°C (closed-cup)
Molecular Weight: 175.23 g/mol	Kinematic Viscosity: 1.8 cSt @20°C
Density: 0.96 g/ml	Boiling Point: >100°C, Freezing Point: <-45°C

Product Benefits:

- Enables biodiesel use at levels up to B20, which in turn reduces carbon use
- Expands biodiesel growth opportunities in California and aids in compliance with the Low Carbon Fuel Standard
- Significantly Reduces all criteria pollutants beyond NOX, to include Carbon Monoxide and Particulate Matter

Safety & Handling

- Do not store above: 100°F
- Decomposition temperature: 212°F (100°C)
- Auto/self-ignition temperature: 266°F (130°C)
- VESTA™ 1000 has a >12-month shelf-life from date of delivery

California Fueling, LLC - 19220 Stare St. - Northridge, CA. 91324- Phone - 303-618-5310





CARB APPROVED TREAT RATES¹

VESTA™ 1000 Concentrations for Biodiesel Blends B20 and Below

Biodiesel Saturation Level²	Biodiesel Blend Level	Volume percent, minimum
Low Saturation	>B5 to <B10	0.150
	B10 to <B15	0.225
	B15 to B20	0.300
High Saturation	B10 to <B15	0.075
	B15 to B20	0.150

² Low saturation refers to biodiesel Cetane Number of below 56; High saturation refers to biodiesel with Cetane Number of 56 and above by the test methods specified in the Alternative Diesel Fuels Regulation.

VESTA™ 1000 Concentrations for Biodiesel Blendstock B100 or B99

Biodiesel Saturation Level	Biodiesel Blendstock	Volume percent, minimum
Low Saturation	B100 or B99	1.50
High Saturation	B100 or B99	0.75

¹Per Executive Order G-714-ADF01, July 20, 2017

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